



February 6, 2004

VIA CERTIFIED MAIL

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RUTGERS Organics Corporation

**Re: JANUARY 2004 MONTHLY REPORT
RI/FS & REMOVAL ACTION
NEASE CHEMICAL SITE
SALEM, OHIO**

In accordance with Paragraph X E of the Administrative Order by Consent regarding a Remedial Investigation/Feasibility Study (RI/FS) of the Nease Chemical Site in Salem, Ohio, attached is a copy of the January 2004 RI/FS Progress Report

Additionally, in accordance with Paragraph 14 of the Administrative Order by Consent, signed November 17, 1993, attached is a copy of the January 2004 Removal Action Progress Report.

Please contact us if you have any questions regarding activities discussed in these reports.

Sincerely,

A handwritten signature in black ink that reads "Rainer Domalski".

Dr. Rainer F. Domalski
Manager Remediation Projects

Enclosure

cc: M. Hardy – Thompson Hine
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**NEASE CHEMICAL SITE, SALEM, OHIO
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
MONTHLY PROGRESS REPORT
JANUARY 2004**

1.0 INTRODUCTION

This progress report has been prepared in accordance with Paragraph XE of the Administrative Order of Consent regarding a Remedial Investigation/Feasibility Study of the Nease Chemical Site in Salem, Ohio. The report summarizes the major RI/FS actions during the month along with investigation results and any problems encountered in the project. Activities planned for next month are also presented.

2.0 SUMMARY OF ACTIVITIES PERFORMED

2.1 Project Activity Summary

The activities that were initiated and/or completed during the month are described. All activities were performed in accordance with the detailed protocol provided in the approved Work Plan.

2.2 Fieldwork

No fieldwork occurred during this month.

2.3 Reports

2.3.1 Remedial Investigation - Endangerment Assessment (EA)

Based on 2002 comments from the agencies, a revised Endangerment Assessment was submitted in April (Chapter I through VIII; Health) and June 2003 (Chapter IX and X; Ecological). It is currently under agencies' final review.

On March 18, 2003, the agencies and ROC had a meeting regarding the upcoming Feasibility Study (FS). The parties discussed site conceptual model, proposed operational units (OU 1- 4), remedial actions objectives and technology screening. A follow-up meeting was held on October 15, 2003. ROC presented the results from July 2003 groundwater sampling round and its meaning for the site remediation. The parties also discussed the Remedial Action Objectives and the remedial alternatives to be evaluated in the final document. After receiving agencies' comments, ROC will prepare and submit a final draft FS for approval.

2.4 Meetings

No meeting was held during this month.

3.0 VARIATIONS FROM THE APPROVED RI/FS WORK PLAN

No variations from the approved Work Plans occurred during the month.

4.0 RESULTS OF SAMPLING, TESTS AND ANALYSES

No sampling was conducted during this month.

5.0 PROJECT SCHEDULE

The attached updated Work Plan schedule identifies completion and target dates for project activities. Those scheduled to occur over the next several months include:

- Prepare Feasibility Study (OU-2; groundwater and soil)

6.0 DIFFICULTIES ENCOUNTERED AND ACTION TAKEN TO RESOLVE PROBLEMS

No significant difficulties were encountered.

7.0 PERSONNEL CHANGES

No changes occurred during this month.

8.0 ANTICIPATED PROJECT ACTIVITIES FOR FEBRUARY 2004

- Monthly Progress Report January 2004
- Prepare Feasibility Study (OU-2)

Table 1
Nease Chemical Site, Salem, Ohio
RI/FS Schedule

Date	Task/Activity/Deliverable/Milestone
February 22, 1988	Effective Date of RI/FS Administrative Order of Consent
April 5, 1991	Partial Salem RI submitted to Agencies
July 6, 1993	Salem RI submitted to Agencies
July 29-30, 1993	Source sampling event, ROC/Golder and Agencies/B&V WST
August 10, 1993	Submit monthly progress report
September 10, 1993	Submit monthly progress report
October 10, 1993	Submit monthly progress report
November 10, 1993	Submit monthly progress report
Nov./Dec., 1993	Egypt Swamp Sampling Event
December 10, 1993	Submit monthly progress report
January 10, 1994	Submit monthly progress report
February 10, 1994	Submit monthly progress report
March 10, 1994	Submit monthly progress report
March 30, 1994	Submit Supplemental Production Well Closure Plan to Agencies
April 10, 1994	Submit monthly progress report
May 10, 1994	Submit monthly progress report
June 10, 1994	Submit monthly progress report
July 10, 1994	Submit monthly progress report
August 10, 1994	Submit monthly progress report
August 18, 1994	Submit to Agencies Additional RI Report: MFLBC
August 22, 1994	Receipt of US EPA Draft Comments on 1993 Salem RI Report
September 6, 1994	Receipt of US EPA Comments on 1993 Salem RI Report
September 10, 1994	Submit monthly progress report
September 23, 1994	Receipt of USEPA Comments on Well Closure Plan
October 7, 1994	Submit Supplemental Production Well Closure Plan (Revision #1)
October 10, 1994	Submit monthly progress report
November 8, 1994	Receipt of USEPA approval of Well Closure Plan (Revision #1)
November 10, 1994	Submit monthly progress report
December 10, 1994	Submit monthly progress report
December 13-19, 1994	Production Well Closure Field Work
January 10, 1995	Submit monthly progress report
February 10, 1995	Submit monthly progress report
February 27, 1995	Receipt of USEPA Comments to Additional Remedial Investigation Report
March 10, 1995	Submit monthly progress report
March 30, 1995	Revised MFLBC Sampling Plan submitted
April 10, 1995	Submit monthly progress report
April 25, 1995	Meet to finalize MFLBC Sampling Plan
May 10, 1995	Submit monthly progress report

Date	Task/Activity/Deliverable/Milestone
June 6, 1995	Propose groundwater sampling Round 3
June 10, 1995	Submit monthly progress report
June 30, 1995	Receive agency comments to groundwater sampling Round 3 proposal
July 5, 1995	Receive agency approval of MFLBC Sampling Plan
July 6, 1995	Submit revised Round 3 groundwater sampling proposal
July 10, 1995	Submit monthly progress report
August 1, 1995	Receive Agency approval for CAL MPK analysis
August 4, 1995	Submit Rt. 14/Feeder Creek Plan to Agencies
August 10, 1995	Submit monthly progress report
September 5-15, 1995	Anticipated MFLBC phase III Sample Collection
September 10, 1995	Submit monthly progress report
September 12, 1995	Receive agency comments on Rt. 14/Feeder Creek Sampling Plan
September 18-30, 1995	Round 3 Groundwater Collection
October 6, 1995	Submit revised Rt. 14/Feeder Creek Sampling Plan
October 25, 1995	Resubmit revised Rt. 14/Feeder Creek Sampling (Verbal Comments)
October 30-	Collect Rt. 14/Feeder Creek Samples
November 2, 1995	
November 10, 1995	Submit monthly progress report
December 10, 1995	Submit monthly progress report
December 28, 1995	Receive Agency comments to Remedial Investigation Report
January 10, 1996	Submit monthly progress report
January 31, 1996	Submit Revised RI Report Volumes 1, 1A, 3 and 4
February 10, 1996	Submit monthly progress report
March 10, 1996	Submit monthly progress report
April 10, 1996	Submit monthly progress report
April 24, 1996	Meeting with agencies to discuss project status and submittal dates
May 10, 1996	Submit monthly progress report
May 24, 1996	Submit Appendix N
June 10, 1996	Submit monthly progress report
June 14, 1996	Submit Round 3 Groundwater Sampling Data
June 19, 1996	Revised RI Approved by EPA/OEPA
July 10, 1996	Submit monthly progress report
August 10, 1996	Submit monthly progress report
September 6, 1996	Submit monthly progress report
September 11, 1996	Meeting with Agencies to discuss Endangerment Assessment Comments
October 10, 1996	Submit monthly progress report, Submit revised Rt. 14/FC Investigation Results, Submit revised Eastern Plume/DNAPL Work Plan
November 10, 1996	Submit monthly progress report
December 10, 1996	Submit monthly progress report
December, 1996	Complete Fieldwork E. Plume/DNAPL Workplan
January 10, 1997	Submit monthly progress report
January 23, 1997	Piezometer (hydropunch) sampling conducted
February 7, 1997	Submit monthly progress report

Date	Task/Activity/Deliverable/Milestone
March 7, 1997	Submit monthly progress report
March 25, 1997	Receive agency comments on E. Plume/DNAPL Workplan
April 10, 1997	Submit monthly progress report
May 9, 1997	Submit monthly progress report
June 9, 1997	Submit monthly progress report
June 30, 1997	Receive Agency comments on Appendix N, RI
July 8, 1997	Submit monthly progress report
July 18, 1997	Submit revision package for Appendix N addressing agency comments
August 8, 1997	Submit DNAPL/Eastern Plume Report and Monthly progress report
August 20, 1997	Agency approval of Appendix N
September 10, 1997	Submit monthly progress report
October 10, 1997	Submit monthly progress report
November 10, 1997	Submit monthly progress report
December 10, 1997	Submit monthly progress report
December 18, 1997	Receive (12/19/97) agency comments to previously submitted EA chapters
December 18, 1997	Receive (12/29/97) USEPA Comments to Eastern Plume/DNAPL report
December 29, 1997	Receive (12/31/97) OEPA Comments to Eastern Plume/DNAPL report
January 8, 1998	Clarifications to agency EA comments requested by ROC letter
January 9, 1998	Submit monthly progress report
January 13, 1998	Telephone conference to obtain clarification on agency EA comments (human health)
January 22, 1998	Meeting in US EPA's Chicago offices to discuss Eastern Plume/DNAPL report comments
January 28, 1998	Telephone conference to obtain clarifications on agency EA comments
January 29, 1998	Telephone conference to obtain clarifications on agency EA comments (Ecological and revision schedule)
February 3, 1998	ROC letter regarding summary of previous EA clarification telephone calls
February 10, 1998	Submit monthly progress report
February 12, 1998	Meeting in Twinsburg, OH to discuss agency comment to EA chapters and approach for finalization of remaining chapters.
March 10, 1998	Submit monthly progress report
April 1, 1998	Receive USEPA comments to revised Eastern Plume/DNAPL report
April 8, 1998	Submit monthly progress report
April 15, 1998	Submit Complete EA
May 7, 1998	Submit monthly progress report
June 9, 1998	Submit monthly progress report
July 10, 1998	Submit monthly progress report
August 5, 1998	Revised Eastern Plume/DNAPL report submitted
August 7, 1998	Submit monthly progress report
August 14, 1998	Receive draft agency comments on EA
August 26, 1998	Meeting in Twinsburg, Ohio to discuss EA comments
September 10, 1998	Submit monthly progress report
October 8, 1998	Meeting to discuss EA technical issues (EPA office, Chicago)
October 9, 1998	Submit monthly progress report

Date	Task/Activity/Deliverable/Milestone
November 6, 1998	Teleconference on EA comments
November 10, 1998	Submit monthly progress report
November 30, 1998	Receive additional agency comments on EA
December 10, 1998	Submit monthly progress report
December 15, 1998	Teleconference on EA comments
January 6, 1999	Teleconference on EA comments (remaining item information status)
January 8, 1999	Submit monthly progress report
January 22, 1999	Submit EA Appendices
February 3, 1999	Agency MFLBC Sampling Letter received
February 9, 1999	Receive partial agency comments to EA/Appendices
February 10, 1999	Submit monthly progress report
February 23, 1999	ROC responds to MFLBC Sampling proposal
March 9, 1999	Submit monthly progress report
March 16, 1999	Receive additional agency comments to EA/Appendices, more anticipated
April 8, 1999	Receive final agency comments to EA/Appendices
April 9, 1999	Submit monthly progress report
May 10, 1999	Submit monthly progress report
May 17, 1999	Agency response letter to ROC MFLBC sampling proposal received
June 7, 1999	Conference call to resolve details on MFLBC sampling program and locations
June 9, 1999	Submit monthly progress report
June 18, 1999	Submit revised EA
July 9, 1999	Submit monthly progress report
July 12-21, 1999	Conduct additional MFLBC field sampling work
July 28, 1999	ROC proposal for Residential well sampling program via a conference call
August 8, 1999	Submit monthly progress report
September 1, 1999	Agency approval of residential well sampling program via a conference call
September 10, 1999	Submit monthly progress report
October 8, 1999	Submit monthly progress report
November 8, 1999	Submit monthly progress report
December 9, 1999	Submit monthly progress report
January 10, 2000	Submit monthly progress report
January 11, 2000	Conduct Residential Well Sampling Program
February 10, 2000	Submit monthly progress report
March 8, 2000	Submit monthly progress report
March 31, 2000	Submit MFLBC Data Summary Report
April 4, 2000	Submit monthly progress report
May 10, 2000	Submit monthly progress report
June 7, 2000	Submit Residential Well Sampling Results
June 8, 2000	Submit monthly progress report
July 7, 2000	Submit monthly progress report
July 31, 2000	Received agency comment letter regarding draft Endangerment

Date	Task/Activity/Deliverable/Milestone
	Assessment
August 8, 2000	Submit monthly progress report
September 8, 2000	Submit monthly progress report
October 4, 2000	Submit monthly progress report
October 11, 2000	Agencies/ROC meeting regarding agency's comments to draft Endangerment Assessment
November 3, 2000	Submit monthly progress report
November 14, 2000	Submit parts of the revised Endangerment Assessment (Chapter 1 – 4, 9)
December 8, 2000	Submit monthly progress report
December 12, 2000	Submit parts of the revised Endangerment Assessment (Chapter 10)
January 4, 2001	Submit monthly progress report
February 6, 2001	Submit monthly progress report
March 8, 2001	Submit monthly progress report
April 9, 2001	Submit monthly progress report
April 11, 2001	Received agencies' comments regarding Appendix I
May 8, 2001	Submit monthly progress report
May 18, 2001	Received agencies' comments regarding Appendix I
June 6, 2001	Submit monthly progress report
July 6, 2001	Submit monthly progress report
August 7, 2001	Submit monthly progress report
August 20, 2001	Received agencies' comments regarding indoor air
September 7, 2001	Received agencies' comments regarding dermal exposure
September 10, 2001	Submit monthly progress report
September 18, 2001	Initial response to agencies' September 7, 2001 letter
October 5, 2001	Submit Monthly progress report
October 19, 2001	Received agencies' comment letter regarding EA issues
November 2, 2001	Response to agencies' comments October 19, 2001
November 7, 2001	Submit monthly progress report
December 7, 2001	Submit monthly progress report
December 28, 2001	Submit draft final Endangerment Assessment (Human Health)
January 9, 2001	Submit monthly progress report
January 25, 2002	Submit revised EA Chapters VI and VIII
February 8, 2002	Submit monthly progress report
March 5, 2002	Submit monthly progress report
April 5, 2002	Submit monthly progress report
May 8, 2002	Submit monthly progress report
June 5, 2002	Submit monthly progress report
July 8, 2002	Submit monthly progress report
August 9, 2002	Submit monthly progress report
August 26, 2002	EPA submit comments regarding ecological part of EA
September 10, 2002	Submit monthly progress report
October 10, 2002	Submit monthly progress report
October 30, 2002	Submit Draft Endangerment Assessment (Human Health Part)
November 6, 2002	Submit monthly progress report
December 3, 2002	Meeting with the agencies regarding the ecological part of the EA
December 10, 2002	Submit monthly progress report
December 30, 2002	Agency comment letter regarding EA
January 9, 2003	Submit progress report
February 5, 2003	Submit monthly progress report
March 18, 2003	Meeting between agencies and ROC regarding FS
March 19, 2003	Submit monthly progress report

Date	Task/Activity/Deliverable/Milestone
April 7, 2003	Submit monthly progress report
April 25, 2003	Submit revised EA Chapter I – VIII (Human Health)
May 7, 2003	Submit monthly progress report
June 10, 2003	Submit monthly progress report
June 23, 2003	Submit revised EA Chapter IX and X (Ecology)
July 8, 2003	Submit monthly progress report
July 21, 2003	Start groundwater sampling (36 MW, sandbank)
August 8, 2003	Submit monthly progress report
September 5, 2003	Submit monthly progress report
October 8, 2003	Submit monthly progress report
October 15, 2003	Meeting between agencies and ROC (FS groundwater and soil)
October 10, 2003	Submit monthly progress report
November 10, 2003	Submit monthly progress report
December 8, 2003	Submit monthly progress report
January 9, 2004	Submit monthly progress report
February 6, 2004	Submit monthly progress report

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**NEASE CHEMICAL SITE, SALEM, OHIO
REMOVAL ACTION
MONTHLY PROGRESS REPORT
JANUARY 2004**

1.0 INTRODUCTION

This progress report has been prepared in accordance with Paragraph 14 of the "Order" section of the Administrative Order by Consent (AOC) Docket No. V-W-94-C-212, effective November 17, 1993, regarding a Removal Action at the Nease Chemical Site in Salem, Ohio. The report summarizes the major activities during the month along with investigation results and any problems encountered on the project. Activities planned for next month are also presented.

2.0 SUMMARY OF ACTIVITIES PERFORMED

2.1 Project Activity

The activities that were initiated and/or completed during this month are described below. Activities were performed in accordance with the Removal Action AOC.

2.2 Work Plan Preparation/Reports

No work plans/reports were submitted this period.

2.3 Fieldwork

2.3.1 Site Inspections

The results of the monthly site inspection carried out at the site in January 27, 2003 are shown in Attachment 1.

2.3.2 Monthly Water Level Measurements

The water level measurements are taken quarterly. The next event is planned for mid-February 2004.

2.3.3 Treatment Plant Operation

The treatment plant operated normally throughout the month.

2.4 1.1 Meetings

No meetings were held this month.

3.0 VARIATIONS FROM THE APPROVED REMOVAL ACTION WORK PLAN

There were no variations from the approved Removal Action Work Plan for the month.

4.0 RESULTS OF INSPECTIONS, ENVIRONMENTAL SAMPLING, TESTS AND ANALYSES

Water monitoring samples were collected from the treatment plant during December 2003/January 2004. Attachment 2 and 3 include results from water and air samples collected on December 18, 2003 and January 7, 2007. The mid-January sampling results were not available at the time reporting. It will be included in next monthly report.

The next acute/chronic toxicity sampling is scheduled for mid-February

5.0 PROJECT SCHEDULE

The updated Work Plan schedule identifies completion and target dates for project activities.

6.0 DIFFICULTIES ENCOUNTERED AND ACTION TAKEN TO RESOLVE PROBLEMS

No significant difficulties were reported this month

7.0 PERSONNEL CHANGES

No changes occurred during this month.

8.0 TYPES AND QUANTITIES OF REMOVED MATERIALS

For the period from December 1 through December 31, 2003 the following material was removed:

- 15,000 gallons of leachate and/or backwash water were disposed off-site at a licensed treatment facility.
- Approximately 196,039 gallons were pumped from Leachate Collection System 1 (LCS-1) (total for LCS-1 = 15,235,300 gal).
- Approximately 14,997 gallons were pumped from Leachate Collection System 2 (LCS-2) (total for LCS-2 = 1,076,868 gal).
- Approximately 208 gallons were pumped from Pond 1 (total for the pond = 879,613 gallons).
- Approximately 23.47 pounds of organic compounds were removed during pumping (estimate based on average VOC/SVOC concentrations for each source).

9.0 ANTICIPATED PROJECT ACTIVITIES FOR FEBRUARY 2004

Removal Action activities scheduled for the upcoming month include on-going implementation of the approved Removal Action Work Plan involving:

- Collection of groundwater from the existing collection systems LCS-1, LCS-2 and Pond 1.
- Monthly Progress Report

Table 1
Nease Chemical Site, Salem, Ohio
Removal Action Schedule

Date	Task/Activity/Deliverable/Milestone
November 17, 1993	Removal AOC Effective Date
November 17, 1993	Commence Preparation of Removal Action Work Plan
November 23, 1993	Submit Treatment Plant Performance Evaluation Work Plan (Rev. #1)
November 28, 1993	USEPA Conditional Approval of TPPEWP
December 1, 1993	Commence Treatment Plant Performance Evaluation
December 9, 1993	Complete Treatment Plant Performance Evaluation
December 10, 1993	Submit monthly progress report
December 17, 1993	Submit Removal Action Work Plan (Rev #0) to USEPA
January 3, 1994	USEPA Approval of TPPEWP (Rev #1)
January 10, 1994	Submit monthly progress report
January 15, 1994	Complete Treatment Plant Data Analysis and Evaluation
January 17, 1994	Notify EPA of inability of Treatment Plant to meet proposed discharge criteria. Commence preparation of Treatment Plant Modifications Work Plan (TPMWP)
January 24, 1994	USEPA disapproval of Removal Action Work Plan (Rev. #0) and associated comments
February 4, 1994	Submit Revised Removal Action Work Plan (Rev #1) and Response to Agency comments
February 10, 1994	Submit monthly progress report
February 11, 1994	Submit Treatment Plant Performance Evaluation Report (TPPER)
March 2, 1994	Submit Treatment Plant Modifications Work Plan (TPMWP, Rev. #0)
March 10, 1994	Submit monthly progress report
April 10, 1994	Submit monthly progress report
April 13, 1994	Submit Revised Removal Action Work Plan (Rev #2) and Response to Agency comments
April 20, 1994	Submit Revised TPMWP (Rev #1) and Response to Agency comments
May 10, 1994	Submit monthly progress report
May 13, 1994	Submit Updates (Rev #3) to Removal Action Work Plan (Rev #2) and Response to Agency comments
May 25, 1994	USEPA approval of Revised RA Work Plan (Rev #2) Commence work on Work Plan implementation
May 25, 1994	Commence Preparation of Removal Action WP Addendum
June 1, 1994	Receipt of USEPA approval of Revised RA Work Plan (Rev #3)
June 10, 1994	Submit monthly progress report
June 24, 1994	Submit TPMWP (Rev #2)
July 10, 1994	Submit monthly progress report
July 26, 1994	Submit Treatment Plant Modifications Design Technical Memorandum (TPMDTM, Rev #0)
July 28, 1994	Receipt of USEPA approval of TPMWP (Rev #2 with revised Table 4)
August 10, 1994	Submit monthly progress report
August 30, 1994	Submit Removal Action Work Plan Addendum (RAWPA)
September 10, 1994	Submit monthly progress report

Date	Task/Activity/Deliverable/Milestone
September 23, 1994	Receipt of USEPA Comments or TPMDTM
October 3, 1994	Submit TPMDTM (Rev #1)
October 4, 1994	Submit TPMDTM (Rev #1)
October 10, 1994	Submit monthly progress report
November 9, 1994	Submit TPMDM (Rev #2)
November 10, 1994	Submit monthly progress report
December 1, 1994	Receipt of USEPA approval of TPMDTM (Rev #2)
December 10, 1994	Submit monthly progress report
December 12-19, 1994	RAWPA Extraction Well and Piezometer Installation
January 10, 1995	Submit monthly progress report
January/February/ March, 1995	Construction of TPMWP/TPMDTM measures
February 10, 1995	Submit monthly progress report
March 10, 1995	Submit monthly progress report
March 13-16, 1995	Performance of Field Pumping Tests (E4 and S7)
April 10, 1995	Submit monthly progress report
April 24, 1995	Submit status report on RAWPA, Task 5
May 4, 1995	Start on-site treatment plant
May 10, 1995	Submit monthly progress report
June 10, 1995	Submit monthly progress report
July 10, 1995	Submit monthly progress report
July 21, 1995	Submit treatment plant 1 st month operation summary report
July 26, 1995	Submit Cone penetrometer testing report and additional investigation plan
August 10, 1995	Submit monthly progress report
September 10, 1995	Submit monthly progress report
October 10, 1995	Submit monthly progress report
November 10, 1995	Submit monthly progress report
December 10, 1995	Submit monthly progress report
January 8-12, 1996	Conduct 2 nd Round of cone penetrometer testing on site
January 10, 1996	Submit monthly progress report
February 10, 1996	Submit monthly progress report
March 10, 1996	Submit monthly progress report
April 10, 1996	Submit monthly progress report
April 18, 1996	Discontinue Outfall Discharge
April 24, 1996	Agency Meeting – Discuss CPT results and future action plan
May 10, 1996	Submit monthly progress report
May 23, 1996	Submit 1996 IRM Seep Investigation and Fabric Barrier Work Plan
June 10, 1996	Submit monthly progress report
July 8-12, 1996	Install Piezometers and modify fabric barriers
July 10, 1996	Submit monthly progress report
August 6, 1996	Submit monthly progress report
September 10, 1996	Submit monthly progress report
October 10, 1996	Submit monthly progress report

Date	Task/Activity/Deliverable/Milestone
November 10, 1996	Submit monthly progress report
December 10, 1996	Submit monthly progress report
January 10, 1997	Submit monthly progress report
February 10, 1997	Submit monthly progress report
March 10, 1997	Submit monthly progress report
April 10, 1997	Submit monthly progress report
May 9, 1997	Submit monthly progress report
May 13, 1997	Sample seep piezometers
June 9, 1997	Submit monthly progress report
July 8, 1997	Submit monthly progress report
August 8, 1997	Submit monthly progress report
September 10, 1997	Submit monthly progress report
October 10, 1997	Submit monthly progress report
November 10, 1997	Submit monthly progress report
December 10, 1997	Submit monthly progress report
January 9, 1998	Submit monthly progress report
February 10, 1998	Submit monthly progress report
March 10, 1998	Submit monthly progress report
April 8, 1998	Submit monthly progress report
May 7, 1998	Submit monthly progress report
June 9, 1998	Submit monthly progress report
June 30, 1998	Sample Seep Sheen
July 10, 1998	Submit monthly progress report
August 7, 1998	Submit monthly progress report
August 19, 1998	Install 1 new fabric barrier and remover 1 old one
September 10, 1998	Submit monthly progress report
October 9, 1998	Submit monthly progress report
November 10, 1998	Submit monthly progress report
December 10, 1998	Submit monthly progress report
January 8, 1999	Submit monthly progress report
February 10, 1999	Submit monthly progress report
March 9, 1999	Submit monthly progress report
April 9, 1999	Submit monthly progress report
May 10, 1999	Submit monthly progress report
June 9, 1999	Submit monthly progress report
July 9, 1999	Submit monthly progress report
August 9, 1999	Submit monthly progress report
September 10, 1999	Submit monthly progress report
October 8, 1999	Submit monthly progress report
November 8, 1999	Submit monthly progress report
December 9, 1999	Submit monthly progress report
January 10, 2000	Submit monthly progress report
February 10, 2000	Submit monthly progress report

Date	Task/Activity/Deliverable/Milestone
March 8, 2000	Submit monthly progress report
April 4, 2000	Submit monthly progress report
May 10, 2000	Submit monthly progress report
June 8, 2000	Submit monthly progress report
July 7, 2000	Submit monthly progress report
August 8, 2000	Submit monthly progress report
September 8, 2000	Submit monthly progress report
October 4, 2000	Submit monthly progress report
November 3, 2000	Submit monthly progress report
December 8, 2000	Submit monthly progress report
January 4, 2001	Submit monthly progress report
February 6, 2001	Submit monthly progress report
March 8, 2001	Submit monthly progress report
April 9, 2001	Submit monthly progress report
May 8, 2001	Submit monthly progress report
June 6, 2001	Submit monthly progress report
July 6, 2001	Submit monthly progress report
August 7, 2001	Submit monthly progress report
September 10, 2001	Submit monthly progress report
October 5, 2001	Submit monthly progress report
November 7, 2001	Submit monthly progress report
December 7, 2001	Submit monthly progress report
January 9, 2002	Submit monthly progress report
February 8, 2002	Submit monthly progress report
March 5, 2002	Submit monthly progress report
April 5, 2002	Submit monthly progress report
May 8, 2002	Submit monthly progress report
June 5, 2002	Submit monthly progress report
July 8, 2002	Submit monthly progress report
August 9, 2002	Submit monthly progress report
September 10, 2002	Submit monthly progress report
October 10, 2002	Submit monthly progress report
November 6, 2002	Submit monthly progress report
December 10, 2002	Submit monthly progress report
January 9, 2003	Submit monthly progress report
February 7, 2003	Submit monthly progress report
March 19, 2003	Submit monthly progress report
April 7, 2003	Submit monthly progress report
May 7, 2003	Submit monthly progress report
June 10, 2003	Submit monthly progress report
July 8, 2003	Submit monthly progress report
August 8, 2003	Submit monthly progress report
September 5, 2003	Submit monthly progress report
October 8, 2003	Submit monthly progress report
November 10, 2003	Submit monthly progress report
December 8, 2003	Submit monthly progress report
January 9, 2004	Submit monthly progress report

**ATTACHMENT 1
RESULTS OF MONTHLY SITE INSPECTION
NEASE CHEMICAL SITE, SALEM, OHIO
JANUARY 2004**

SITE INSPECTION FORM
RUETGERS-NEASE CORPORATION
Nease Site, Salem, Ohio

Date of Inspection: 1-27-04

Entry Time: 10:30 A.M. Exit Time: 12:00 A.M.

Weather: Cold + Rain.

Inspector's Name: DENNIS L. LANE

Inspector's Company: Howells and Baird, Inc.

INSPECTION RESULTS

SPECIFIC OBSERVATIONS: Structures

(Responses: S = Satisfactory U = Unsatisfactory Yes/No Levels Measured in Feet, N/A = Not Applicable)

	Pump	Quick Connect	Water Level	Berm Erosion	Visible Leakage
Leachate Collection System 1 (LCS-1)	S	S	6.66	N/A	No
Leachate Collection System 2 (LCS-2)	S	S	8.91	N/A	No
Pond 1 Pumphouse	S	S	8.68	N/A	No
Pond 1 Berm	N/A	N/A	N/A	No	No
Pond 2 Embankment	N/A	N/A	N/A	No	No
Exclusion Area A Embankment	N/A	N/A	N/A	No	No
Storage Tank	N/A	S	6.63	N/A	No
Other (specify)					

SPECIFIC OBSERVATIONS:

Sediment Barriers

Condition of Sediment Barriers

Barrier ID	Fabric Intact?	By Passing Evident?	Is Maintenance Necessary?
Sediment Control Structure 1	YES	No	No
Sediment Control Structure 2	YES	No	No
Fabric Barrier 2	YES	No	No
Fabric Barrier 3	YES	No	No
Fabric Barrier 4	YES	No	No
Fabric Barrier 5	YES	No	No
Fabric Barrier 8	YES	No	No
Fabric Barrier 9	YES	No	No
Fabric Barrier 10	YES	No	No
Fabric Barrier 11	YES	No	No
Rock Barrier 1	YES	No	No
Rock Barrier 2	YES	No	No
Pond 7 - North	YES	No	No
Pond 7 - South	YES	No	No

SPECIFIC OBSERVATIONS:

Seeps (if present, use more forms, as necessary)

Seep ID (yr-month-#)	Located on Map	Areal Extent (ft 2)	Magnitude (flow?, ponding?)
94-7-1	YES	20	Non-Flowing Seep
96-8-2	YES	20	Non-Flowing Seep

Note: Seep ID # equal the "nth" observed seep during the yr-month in question

ADDITIONAL OBSERVATION OR REMARKS:

Inspector's Name:

Dennis L. Lane

Inspector's Signature:

Dennis L. Lane

Date:

1-27-04

CRANE-DEMING COMPANY.

CRANE
DEMING
SWAMP

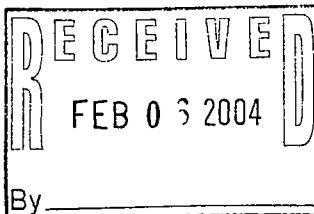
96-8-2

S1



ATTACHMENT 2

**WATER/AIR SAMPLING RESULTS – DECEMBER 18, 2003
NEASE CHEMICAL SITE, SALEM, OHIO**



RUTGERS ORGANICS CORPORATION
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
Account Number 155

Contact: RAINER DOMALSKI

Date Received 19-DEC-03
Date Reported 02-FEB-04

Invoice Number 32855

Date Collected 18-DEC-03

Client ID: INFLUENT 12-17-03

Lab ID L35460-1

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
PESTICIDE ANALYSIS						
KEPONE	ug/L	J .0263	046	SOP 6 2	07-JAN-04	CP
PHOTOMIREX	ug/L	U 007	007	SOP 6 2	07-JAN-04	CP
MIREX	ug/L	911	002	SOP 6 2	07-JAN-04	CP
PH	PH UNITS	7.23	0	EPA 150 1	24-DEC-03	CEE

Comments <none>

Submitted by
Exygen Research
Reviewed and Approved by

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RUTGERS ORGANICS CORPORATION
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
Account Number 155

Contact. RAINER DOMALSKI

Date Received. 19-DEC-03

Date Reported 02-FEB-04

Invoice Number 32855

Date Collected. 18-DEC-03

Client ID LGAC 2-3 12-17-03

Lab ID L35460-2

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
PESTICIDE ANALYSIS						
KEPONE	ug/L	U 043	043	SOP 6 2	07-JAN-04	CP
PHOTOMIREX	ug/L	U 006	.006	SOP 6 2	07-JAN-04	CP
MIREX	ug/L	U .002	002	SOP 6 2	07-JAN-04	CP
PH	PH UNITS	8.2	0	EPA 150.1	24-DEC-03	CEE
TOTAL DISSOLVED SOLIDS	mg/L	530	10	EPA 160.1	26-DEC-03	STL
TOTAL SUSPENDED SOLIDS	mg/L	< 4	4	EPA 160.2	26-DEC-03	STL
VOLATILE ANALYSIS						
VINYL CHLORIDE	ug/L	< 10	10	EPA 8260B	22-DEC-03	JEG
DICHLOROMETHANE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
1,1-DICHLOROETHENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
CIS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
TRANS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
CHLOROFORM	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
1,2-DICHLOROETHANE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
1,1,1-TRICHLOROETHANE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
1,1,2,2-TETRACHLOROETHANE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
1,2-DICHLOROPROPANE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
TRICHLOROETHENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
BENZENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
TETRACHLOROETHENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
TOLUENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
CHLOROBENZENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
ETHYLBENZENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
M, P-XYLENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
O-XYLENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
ACETONE	ug/L	< 10	10	EPA 8260B	22-DEC-03	JEG
2-BUTANONE	ug/L	< 10	10	EPA 8260B	22-DEC-03	JEG
CHLOROMETHANE	ug/L	< 10	10	EPA 8260B	22-DEC-03	JEG
CIS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
TRANS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG

RUTGERS ORGANICS CORPORATION
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
Account Number. 155

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Invoice Number. 32855

Date Collected 18-DEC-03

Client ID: LGAC 2-3 12-17-03

Lab ID: L35460-2

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
BROMOFORM	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
DIBROMOCHLOROMETHANE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
BROMODICHLOROMETHANE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
CARBON TETRACHLORIDE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
BROMOMETHANE	ug/L	< 10	10	EPA 8260B	22-DEC-03	JEG

Comments <none>

Submitted by
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RUTGERS ORGANICS CORPORATION
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
Account Number 155

Contact: RAINER DOMALSKI

Date Received 19-DEC-03

Date Reported 02-FEB-04

Invoice Number 32855

Date Collected 18-DEC-03

Client ID OUTFALL 12-17-03

Lab ID. L35460-3

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
SILVER-LOW LEVEL	mg/L	< 0003	.0003	EPA 200.8	22-DEC-03	JMS
ALUMINUM-LOW LEVEL	mg/L	0248	0005	EPA 200.8	22-DEC-03	JMS
ARSENIC-LOW LEVEL	mg/L	0304	0003	EPA 200.8	22-DEC-03	JMS
BERYLLIUM-LOW LEVEL	mg/L	< 0004	0004	EPA 200.8	22-DEC-03	JMS
BOD-5 DAY	mg/L	3	1	SM 5210	19-DEC-03	TGA
CADMIUM-LOW LEVEL	mg/L	< .0003	0003	EPA 200.8	22-DEC-03	JMS
CYANIDE-FREE	mg/L	< 005	005	EPA 335.4	08-JAN-04	JPB
COD	mg/L	< 10	10	EPA 410.4	26-JAN-04	STL
CHROMIUM-LOW LEVEL	mg/L	< 0006	0006	EPA 200.8	22-DEC-03	JMS
COPPER-LOW LEVEL	mg/L	00259	001	EPA 200.8	22-DEC-03	JMS
IRON-LOW LEVEL	mg/L	342	0005	EPA 200.8	22-DEC-03	JMS
MERCURY	mg/L	< 0002	0002	EPA 7470A	26-DEC-03	STL
PESTICIDE ANALYSIS						
KEPONE	ug/L	U .042	.042	SOP 6.2	07-JAN-04	CP
PHOTOMIREX	ug/L	U .006	.006	SOP 6.2	07-JAN-04	CP
MIREX	ug/L	U .002	.002	SOP 6.2	07-JAN-04	CP
AMMONIA	mg/L	.83	.1	EPA 350.1	05-JAN-04	STL
NICKEL-LOW LEVEL	mg/L	.00642	.0006	EPA 200.8	22-DEC-03	JMS
OIL & GREASE	mg/L	< 9.6	9.6	EPA 1664A	06-JAN-04	STL

RUTGERS ORGANICS CORPORATION
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
Account Number. 155

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Date Reported 02-FEB-04

Invoice Number 32855

Date Collected 18-DEC-03

Client ID OUTFALL 12-17-03

Lab ID L35460-3

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
LEAD-LOW LEVEL	mg/L	< 0003	0003	EPA 200.8	22-DEC-03	JMS
PESTICIDE/PCB ANALYSIS METHOXYCHLOR	ug/L	< .02	.02	EPA 8081	15-JAN-04	CAK
PH	PH UNITS	8.33	0	EPA 150.1	24-DEC-03	CEE
ANTIMONY-LOW LEVEL	mg/L	< .0004	.0004	EPA 200.8	22-DEC-03	JMS
SEMI-VOLATILE ANALYSIS						
ANTHRACENE	ug/L	< 10	10	EPA 8270C	12-JAN-04	CP
BENZO(A) ANTHRACENE	ug/L	< 10	10	EPA 8270C	12-JAN-04	CP
BENZO(K) FLUORANTHENE	ug/L	< 10	10	EPA 8270C	12-JAN-04	CP
3,4-BENZOFLUORANTHENE	ug/L	< 10	10	EPA 8270C	12-JAN-04	CP
BENZO(B) FLUORANTHENE	ug/L	< 10	10	EPA 8270C	12-JAN-04	CP
BENZO(G,H,I) PERYLENE	ug/L	< 10	10	EPA 8270C	12-JAN-04	CP
BENZO(A) PYRENE	ug/L	< 10	10	EPA 8270C	12-JAN-04	CP
CHRYSENE	ug/L	< 10	10	EPA 8270C	12-JAN-04	CP
DIBENZ(A,H) ANTHRACENE	ug/L	< 10	10	EPA 8270C	12-JAN-04	CP
FLUORENE	ug/L	< 10	10	EPA 8270C	12-JAN-04	CP
INDENO(1,2,3-CD) PYRENE	ug/L	< 10	10	EPA 8270C	12-JAN-04	CP
NAPHTHALENE	ug/L	< 10	10	EPA 8270C	12-JAN-04	CP
PHENANTHRENE	ug/L	< 10	10	EPA 8270C	12-JAN-04	CP
PYRENE	ug/L	< 10	10	EPA 8270C	12-JAN-04	CP
PHENOL	ug/L	< 10	10	EPA 8270C	12-JAN-04	CP
4-METHYLPHENOL	ug/L	< 10	10	EPA 8270C	12-JAN-04	CP
1,3-DICHLOROBENZENE	ug/L	< 10	10	EPA 8270C	12-JAN-04	CP
1,4-DICHLOROBENZENE	ug/L	< 10	10	EPA 8270C	12-JAN-04	CP
1,2-DICHLOROBENZENE	ug/L	< 10	10	EPA 8270C	12-JAN-04	CP
DIMETHYL PHTHALATE	ug/L	< 10	10	EPA 8270C	12-JAN-04	CP
BUTYLBENZYL PHTHALATE	ug/L	< 10	10	EPA 8270C	12-JAN-04	CP
DI-N-BUTYL PHTHALATE	ug/L	< 10	10	EPA 8270C	12-JAN-04	CP
2-METHYLNAPHTHALENE	ug/L	< 10	10	EPA 8270C	12-JAN-04	CP
3,4-DICHLORONITROBENZENE	ug/L	< 10	10	EPA 8270C	12-JAN-04	CP
DIPHENYL SULFONE	ug/L	< 10	10	EPA 8270C	12-JAN-04	CP

RUTGERS ORGANICS CORPORATION
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
Account Number: 155

Contact: RAINER DOMALSKI

Date Received 19-DEC-03

Date Reported 02-FEB-04

Invoice Number: 32855

Date Collected 18-DEC-03

Client ID OUTFALL 12-17-03

Lab ID: L35460-3

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
TOTAL DISSOLVED SOLIDS	mg/L	551	10	EPA 160.1	29-DEC-03	STL
THALLIUM-LOW LEVEL	mg/L	000359	0002	EPA 200.8	22-DEC-03	JMS
TOTAL ORGANIC CARBON	mg/L	< 1	1	EPA 415.1	08-JAN-04	STL
TOTAL SUSPENDED SOLIDS	mg/L	< 4	4	EPA 160.2	26-DEC-03	STL
VOLATILE ANALYSIS						
VINYL CHLORIDE	ug/L	< 10	10	EPA 8260B	22-DEC-03	JEG
DICHLOROMETHANE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
1,1-DICHLOROETHENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
CIS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
TRANS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
CHLOROFORM	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
1,2-DICHLOROETHANE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
1,1,1-TRICHLOROETHANE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
1,1,2,2-TETRACHLOROETHANE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
1,2-DICHLOROPROPANE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
TRICHLOROETHENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
BENZENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
TETRACHLOROETHENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
TOLUENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
CHLOROBENZENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
ETHYLBENZENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
m,p-XYLENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
o-XYLENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
ACETONE	ug/L	< 10	10	EPA 8260B	22-DEC-03	JEG
2-BUTANONE	ug/L	< 10	10	EPA 8260B	22-DEC-03	JEG
CHLOROMETHANE	ug/L	< 10	10	EPA 8260B	22-DEC-03	JEG
CIS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
TRANS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
BROMOFORM	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
DIBROMOCHLOROMETHANE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
BROMODICHLOROMETHANE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
CARBON TETRACHLORIDE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG

RUTGERS ORGANICS CORPORATION
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
Account Number 155

Contact RAINER DOMALSKI

Date Received 19-DEC-03

Date Reported 02-FEB-04

Invoice Number 32855

Date Collected 18-DEC-03


Client ID, OUTFALL 12-17-03

Lab ID: L35460-3

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
BROMOMETHANE	ug/L	< 10	10	EPA 8260B	22-DEC-03	JEG
ZINC-LOW LEVEL	mg/L	00125	0005	EPA 200.8	22-DEC-03	JMS

Comments Please see Narrative L35460 for comments related to this sample

Submitted by
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Reviewed and Approved by.



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RUTGERS ORGANICS CORPORATION
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
Account Number 155

Contact RAINER DOMALSKI

Date Received 19-DEC-03

Date Reported 02-FEB-04

Invoice Number 32855

Date Collected 16-DEC-03


Client ID. TRIP BLANK

Lab ID: L35460-4

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
VOLATILE ANALYSIS						
VINYL CHLORIDE	ug/L	< 10	10	EPA 8260B	22-DEC-03	JEG
DICHLOROMETHANE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
1,1-DICHLOROETHENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
CIS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
TRANS-1,2-DICHLOROETHENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
CHLOROFORM	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
1,2-DICHLOROETHANE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
1,1,1-TRICHLOROETHANE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
1,1,2,2-TETRACHLOROETHANE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
1,2-DICHLOROPROPANE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
TRICHLOROETHENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
BENZENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
TETRACHLOROETHENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
TOLUENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
CHLOROBENZENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
ETHYLBENZENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
M,P-XYLENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
O-XYLENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
ACETONE	ug/L	13	10	EPA 8260B	22-DEC-03	JEG
2-BUTANONE	ug/L	< 10	10	EPA 8260B	22-DEC-03	JEG
CHLOROMETHANE	ug/L	< 10	10	EPA 8260B	22-DEC-03	JEG
CIS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
TRANS-1,3-DICHLOROPROPENE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
BROMOFORM	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
DIBROMOCHLOROMETHANE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
BROMODICHLOROMETHANE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
CARBON TETRACHLORIDE	ug/L	< 5	5	EPA 8260B	22-DEC-03	JEG
BROMOMETHANE	ug/L	< 10	10	EPA 8260B	22-DEC-03	JEG

Comments: <none>

Submitted by
Exygen Research
Reviewed and Approved by



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RUTGERS ORGANICS CORPORATION/EHS DEPT.
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
ACCOUNT# 155

Date Received 19-Dec-03
Date Reported 2-Feb-04

Invoice Number 32855

Contact RAINER DOMALSKI

Date Collected 18-Dec-03

Client ID. AGAC-1-2-12-17-03

Lab ID L35460-5

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
VOLATILE ANALYSIS						
BROMODICHLOROMETHANE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
BROMOFORM	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
DIBROMOCHLOROMETHANE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
DIBROMOMETHANE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
TRANS-1,2-DICHLOROETHANE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
CUMENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
N-PROPYLBENZENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
1,2,3-TRICHLOROPROPANE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
DICHLORODIFLUOROMETHANE	ppb (v/v)	< 2	2	EPA-19 TO-14	04-Jan-04	STL
VINYL CHLORIDE	ppb (v/v)	< 2	2	EPA-19 TO-14	04-Jan-04	STL
CHLOROETHANE	ppb (v/v)	< 2	2	EPA-19 TO-14	04-Jan-04	STL
TRICHLOROFLUOROMETHANE	ppb (v/v)	< 2	2	EPA-19 TO-14	04-Jan-04	STL
1,1-DICHLOROETHENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
1,1-DICHLOROETHANE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
CIS-1,2-DICHLOROETHENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
CHLOROFORM	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
1,1,1-TRICHLOROETHANE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
CARBON TETRACHLORIDE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
BENZENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
1,2-DICHLOROETHANE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
TRICHLOROETHENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
1,2-DICHLOROPROPANE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
CIS-1,3-DICHLOROPROPENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
TOLUENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
TRANS-1,3-DICHLOROPROPENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
1,1,2-TRICHLOROETHANE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
TETRACHLOROETHENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
1,2-DIBROMOETHANE (EDB)	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
CHLOROBENZENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
ETHYLBENZENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
M, P-XYLENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
O-XYLENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
STYRENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL

RUTGERS ORGANICS CORPORATION/EHS DEPT
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
ACCOUNT: 155

Date Received 19 Dec-03

Date Reported 2-Feb-04

Invoice Number. 32855

Contact: RAINER DOMALSKI

Date Collected 18 Dec-03

Client ID AGAC-1-2-12-17-03

Lab ID L35460-5

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
1,1,2,2-TETRACHLOROETHANE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
1,3,5-TRIMETHYLBENZENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
1,3-DICHLOROBENZENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
1,4-DICHLOROBENZENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
1,2-DICHLOROBENZENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL

Submitted by

Exygen Research

Reviewed and Approved by:



Charles Simons

Laboratory Manager

RUTGERS ORGANICS CORPORATION/EHS DEPT.
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
ACCOUNT. 155

Date Received 19-Dec-03
Date Reported. 2-Feb-04

Invoice Number 32855

Contact RAINER DOMALSKI

Date Collected 18 Dec 03

Client ID AGAC-1-2-12-17-03

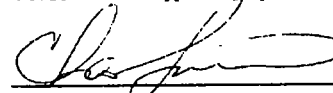
Lab ID. L35460-5

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	UNITS	ESTIMATED RESULT	RETENTION TIME	TEST METHOD	TEST DATE	ANALYST
UNKNOWN	ppb (v/v)	5 2 NJ	M 4 5466	EPA-19 TO 14	04-Jan-04	STL
ETHANOL	ppb (v/v)	5 1 NJ	M 5 4572	EPA-19 TO-14	04-Jan-04	STL
BUTANE, 2-METHYL-	ppb (v/v)	9 0 NJ	M 5 7781	EPA-19 TO-14	04-Jan-04	STL
UNKNOWN	ppb (v/v)	5 4 NJ	M 6 0903	EPA-19 TO-14	04-Jan-04	STL
UNKNOWN	ppb (v/v)	8 2 NJ	M 6 1423	EPA-19 TO-14	04-Jan-04	STL
UNKNOWN	ppb (v/v)	32 NJ	M 6 2638	EPA-19 TO-14	04-Jan-04	STL
METHYLENE CHLORIDE	ppb (v/v)	64 NJ	M 7 1657	EPA-19 TO-14	04-Jan-04	STL

M Result was measured against nearest internal standard assuming a response factor of 1.

Submitted by
Oxygen Research
Reviewed and Approved by


Charles Simons
Laboratory Manager

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RUTGERS ORGANICS CORPORATION/EHS DEPT.
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
ACCOUNT. 155

Date Received 19-Dec-03
Date Reported 2-Feb-04

Invoice Number 32855

Contact. RAINER DOMALSKI

Date Collected: 18-Dec 03

Client ID AGAC-F-12-17-03

Lab ID L35460-6

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
VOLATILE ANALYSIS						
BROMODICHLOROMETHANE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
BROMOFORM	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
DIBROMOCHLOROMETHANE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
DIBROMOMETHANE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
TRANS-1,2-DICHLOROETHANE	ppb (v/v)	< 1	1	EPA 19 TO-14	04-Jan-04	STL
CUMENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
N-PROPYLBENZENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
1,2,3-TRICHLOROPROPANE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
DICHLORODIFLUOROMETHANE	ppb (v/v)	< 2	2	EPA-19 TO-14	04-Jan-04	STL
VINYL CHLORIDE	ppb (v/v)	< 2	2	EPA-19 TO-14	04-Jan-04	STL
CHLOROETHANE	ppb (v/v)	< 2	2	EPA-19 TO-14	04-Jan-04	STL
TRICHLOROFLUOROMETHANE	ppb (v/v)	< 2	2	EPA-19 TO-14	04-Jan-04	STL
1,1-DICHLOROETHENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
1,1-DICHLOROETHANE	ppb (v/v)	< 1	1	EPA-19 TO 14	04 Jan 04	STL
CIS-1,2-DICHLOROETHENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
CHLOROFORM	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan 04	STL
1,1,1-TRICHLOROETHANE	ppb (v/v)	< 1	1	EPA-19 TO 14	04 Jan-04	STL
CARBON TETRACHLORIDE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
BENZENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
1,2-DICHLOROETHANE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
TRICHLOROETHENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04 Jan-04	STL
1,2-DICHLOROPROPANE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
CIS-1,3-DICHLOROPROPENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
TOLUENE	ppb (v/v)	2.3	1	EPA-19 TO-14	04-Jan-04	STL
TRANS-1,3-DICHLOROPROPENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan 04	STL
1,1,2-TRICHLOROETHANE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
TETRACHLOROETHENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
1,2-DIBROMOETHANE (EDB)	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan 04	STL
CHLOROBENZENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
ETHYLBENZENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
M, P-XYLENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
O-XYLENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
STYRENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL

RUTGERS ORGANICS CORPORATION/EHS DEPT
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
ACCOUNT 155

Date Received 19-Dec-03
Date Reported 2-Feb-04

Invoice Number 32855

Contact RAINER DOMALSKI

Date Collected 18 Dec 03

Client ID: AGAC-F-12-17-03

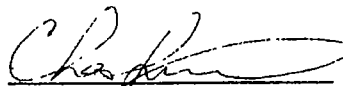
Lab ID. L35460-6

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	UNITS	ESTIMATED RESULT	RETENTION TIME	TEST METHOD	TEST DATE	ANALYST
UNKNOWN	ppb (v/v)	1. 8 NJ	M 6 2587	EPA-19 TO-14	04 Jan-04	STL
ETHYL ACETATE	ppb (v/v)	26 NJ	M 9.6584	EPA-19 TO 14	04-Jan-04	STL
DECANE	ppb (v/v)	3.3 NJ	M 19 068	EPA-19 TO-14	04-Jan-04	STL
BENZENE, 1,2,3-TRIMETHYL	ppb (v/v)	2.3 NJ	M 19.215	EPA-19 TO-14	04-Jan-04	STL
UNKNOWN	ppb (v/v)	2.5 NJ	M 19 692	EPA-19 TO-14	04-Jan-04	STL
UNDECANE	ppb (v/v)	3 5 NJ	M 20 343	EPA-19 TO-14	04-Jan-04	STL

M Result was measured against nearest internal standard assuming a response factor of 1.

Submitted by
Exygen Research
Reviewed and Approved by:


Charles Simons
Laboratory Manager

RUTGERS ORGANICS CORPORATION/EHS DEPT
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
ACCOUNT 155

Date Received 19 Dec 03

Date Reported 2-Feb-04

Invoice Number 32855

Contact RAINER DOMALSKI

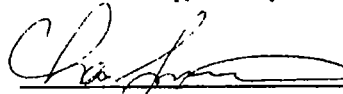
Date Collected 18-Dec-03

Client ID: AGAC-F-12-17-03

Lab ID: L35460-6

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
1,1,2,2-TETRACHLOROETHANE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
1,3,5-TRIMETHYLBENZENE	ppb (v/v)	< 1	1	EPA-19 TO-14	04-Jan-04	STL
1,3-DICHLOROBENZENE	ppb (v/v)	< 1	1	EPA 19 TO-14	04-Jan-04	STL
1,4-DICHLOROBENZENE	ppb (v/v)	< 1	1	EPA-19 TO 14	04-Jan-04	STL
1,2-DICHLOROBENZENE	ppb (v/v)	2.3	1	EPA-19 TO-14	04-Jan-04	STL

Submitted by
Oxygen Research
Reviewed and Approved by


Charles Symons
Laboratory Manager

NARRATIVE

Exygen Research (PADEP ID# 14-347)

Project: L35460

Sample Receipt:

Samples were received on December 29, 2003. The samples were received in two sample coolers at 1.9°C and 2.2°C. Some sample bottles for Exygen Samples L35406-1 (Influent 12-17-03), and L35406-3 (Outfall 12-17-03) were received broken. These bottles contained sample for the analysis of total dissolved solids, total suspended solids, and pesticide analysis. More sample was received for these sampling points on December 23, 2003. These bottles were received in one sample cooler at 1.7°C.

Sample Analysis:

There were no problems related to the analysis of these samples.

Holding Times:

Free Cyanide, and Methoxychlor by EPA 8081 were analyzed outside of holding times.

Sub-contract Laboratories:

Todd Giddings and Associates of State College, PA (PADEP ID# 14-321) performed the BOD analysis on these samples.

Severn Trent Laboratories (STL) of Pittsburgh, PA (PADEP ID# 02-416) performed the COD, total organic carbon, total suspended solids, mercury, ammonia nitrogen, and oil and grease analysis.

Severn Trent Laboratories (STL) of Knoxville, TN (PADEP ID# 68-576) performed the GC/MS volatiles (air) analysis.

☐ Sample results only

☐ Add case narrative

☐ Add quality control summary

☐ Add calibration summary

☐ Add raw data

☐ Other



Page 1 of 1

ANALYSES REQUESTED

- ☐ Sample results only
☐ Add case narrative
☐ Add quality control summary
☐ Add calibration summary
☐ Add raw data
☐ Other



CHAIN OF CUSTODY/ANALYSIS REQUEST FORM

Exygen Research Sample Receiving • 3117 Research Drive • State College, PA 16801, USA
T: 814.231.8032 • F: 814.231.1580 • exygenresearch.com

Page 1 of 1

PROJECT INFORMATION

Client (name & address):

RUEGGERS ORGANICS
1224 BENTON ROAD
SALEM, OHIO 44460
Phone: (330) 332-4834
Fax: _____
Sampler: DENNY LANE

Project Manager (Name & E-mail Address):

RAINER DONALSKI
Project Name: SALEM, OHIO SITE
P.O. #: _____
Quotation #: _____

Please fill out this form *completely* to ensure correct analysis and proper handling of your samples.

ANALYSES REQUESTED

SAMPLE ANALYSIS

ExyLIMS#	Client Sample Identification	Collection Date	Collection Time	Grab	Composite	Number of Containers	Specify Matrix	Comments						
L35460 1	INFLUENT 12-17-03	12-22-03	1300	X		2	WATER		X					
L35460 3	OUTFALL 12-17-03	12-22-03	1300	X		2	WATER		X					

LAB USE ONLY

CHAIN OF CUSTODY

Relinquished by	Date	Time
<u>D.L.L.</u>	<u>12-22-03</u>	<u>1500</u>

Cooler ID # 12/22/03

Cooler Temp. (°C) 4.7

Received by	Date	Time
<u>[Signature]</u>	<u>12/23/03</u>	<u>1235</u>

LAB USE ONLY

PROJECT REQUIREMENTS

Results Deadline:

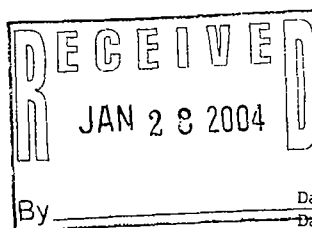
Laboratory Report Options:

- ☐ Sample results only
- ☐ Add case narrative
- ☐ Add quality control summary
- ☐ Add calibration summary
- ☐ Add raw data
- ☐ Other _____

OTHER INFORMATION

ATTACHMENT 3

**WATER/AIR SAMPLING RESULTS – JANUARY 7, 2004
NEASE CHEMICAL SITE, SALEM, OHIO**



RUTGERS ORGANICS CORPORATION
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
Account Number: 155

Contact: RAINER DOMALSKI

Date Received: 08-JAN-04
Date Reported: 26-JAN-04

Invoice Number: 32717

Date Collected: 07-JAN-04

Client ID: INFLUENT 1-7-04

Lab ID: L35497-1

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
AMMONIA	mg/L	.71	1	EPA 350 1	20-JAN-04	STL
NITRATE+NITRITE	mg/L	< .1	1	EPA 353 2	21-JAN-04	STL
PHOSPHORUS	mg/L	< .1	1	EPA 365 2	20-JAN-04	STL

Comments <none>

Submitted by
Exygen Research
Reviewed and Approved by:

Charles Simons
Laboratory Manager

3058 Research Drive
State College, PA 16801, USA

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exygen.com

RUTGERS ORGANICS CORPORATION
201 STRUBLE ROAD
STATE COLLEGE, PA 16801
Account Number 155

Contact RAINER DOMALSKI

Date Received 08-JAN-04
Date Reported 26-JAN-04

Invoice Number 32717

Date Collected 07-JAN-04

Client ID OUTFALL 1-7-04

Lab ID L35497-2

PARAMETER	UNITS	RESULT	LIMIT OF QUANTITATION	TEST METHOD	TEST DATE	ANALYST
AMMONIA	mg/L	56	1	EPA 350.1	20-JAN-04	STL
NITRATE+NITRITE	mg/L	< 1	1	EPA 353.2	21-JAN-04	STL
PHOSPHORUS	mg/L	17	1	EPA 365.2	20-JAN-04	STL

Comments <none>

Submitted by
Exygen Research
Reviewed and Approved by



Charles Simons
Laboratory Manager
3058 Research Drive
State College, PA 16801, USA

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F. 814.231.1580
exygen.com

NARRATIVE

Exygen Research (PADEP ID# 14-347)
Project: L35497

Sample Receipt:

Samples were received on January 8, 2004. The samples were received in one sample cooler at 1.1°C.

Sample Analysis:

There were no problems related to the analysis of these samples.

Holding Times:

All samples were analyzed within holding times.

Sub-contract Laboratories:

Severn Trent Laboratories (STL) of Pittsburgh, PA (PADEP ID# 02-416) performed the ammonia nitrogen analysis on these samples. Severn Trent Laboratories (STL) of North Canton, OH (PADEP ID# 68-340) performed the phosphorus analysis on these samples.

